

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 2    | ("20050210424").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/04/13 14:50 |
| S2    | 1172 | topolog\$4 near4 graph   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/13 14:52 |
| S3    | 51   | (topolog\$4 near4 graph) with compar\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/13 14:53 |
| S4    | 34   | (confidence or match\$4) and S3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/13 16:32 |
| S5    | 34   | node and S4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/13 14:55 |
| S6    | 20   | width and S5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/13 14:55 |
| S7    | 18   | length and S6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/13 15:06 |
| S8    | 9    | (first same second same layout) and S3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/13 15:18 |
| S9    | 6    | ((first with (layout or design)) same (second with (layout or design))) and S3 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/13 16:32 |
| S10   | 34   | ((first with (layout or design)) same (second with (layout or design))) and S2 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/14 10:27 |
| S11   | 19   | (confidence or match\$4 or convergence) and S10                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/14 10:44 |

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|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S12 | 15    | node and S11   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/13 16:36 |
| S13 | 1     | ((first with (layout or design)) same (second with (layout or design)) same compar\$4) and S2        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/13 16:38 |
| S14 | 26    | ((first with (layout or design)) same (second with (layout or design))) and compar\$4 and S2         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/13 16:39 |
| S15 | 14    | (confidence or match\$4 or convergence) and S14  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:09 |
| S16 | 1172  | topolog\$4 near4 graph   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:52 |
| S17 | 18    | ((first with (graph or topolog\$4)) same (second with (graph or topolog\$4)) same compar\$4) and S16 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:49 |
| S18 | 14    | (confidence or match\$4 or convergence) and S17  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:44 |
| S19 | 11253 | (confidence or match\$4 or convergence) near4 threshold  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:10 |
| S20 | 2632  | (confidence or convergence) near4 threshold  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:10 |
| S21 | 2004  | confidence near4 threshold   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:10 |
| S22 | 9     | (topolog\$4 same graph) and S20  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:12 |
| S23 | 5     | (confidence or converg\$4) and S17   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 12:16 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S24 | 3    | (circuit or IC) and S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:37 |
| S25 | 1    | ((first with layout) same (second with layout) same compar\$4) and S16            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:52 |
| S26 | 1    | ((first with layout) same compar\$4) and S16                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:51 |
| S27 | 1    | (first same layout same second same compar\$4) and S16                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:51 |
| S28 | 1568 | topolog\$4 with graph   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:52 |
| S29 | 1    | ((first with layout) same (second with layout) same compar\$4) and S28            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:52 |
| S30 | 2176 | topolog\$4 same graph   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:52 |
| S31 | 1    | ((first with layout) same (second with layout) same compar\$4) and S30            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:44 |
| S32 | 30   | (layout with compar\$4) and S30   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 11:54 |
| S33 | 2    | (confidence or converg\$4) and S32  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:43 |
| S34 | 2    | (first same second) and S33   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 12:13 |
| S35 | 621  | (first same second same (layout or graph or topology or model or design)) and S28 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:42 |

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|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S36 | 64  | (first same second same (layout or graph or topology or model or design) same compar\$4) and S28 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 15:08 |
| S37 | 31  | (circuit or IC) and S36  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 12:16 |
| S38 | 6   | (confidence or converg\$4) and S37   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 13:38 |
| S39 | 12  | match\$3 and S37   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 13:38 |
| S40 | 12  | (circuit or IC) and S39  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:38 |
| S41 | 7   | (first with second with (layout or model or design) same compar\$4) and S28                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:03 |
| S42 | 6   | (circuit or IC) and S41  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:47 |
| S43 | 387 | (confidence or converg\$4) and S30   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:43 |
| S44 | 1   | ((first with layout) same (second with layout) same compar\$4) and S43                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:45 |
| S45 | 1   | ((first with layout) same (second with layout)) and compar\$4 and S44                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:46 |
| S46 | 4   | ((first with layout) same (second with layout)) and compar\$4 and S43                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:55 |
| S47 | 4   | (circuit or IC) and S46  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/14 14:56 |

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|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S48 | 1  | ((first same second same layout) same compar\$4) and S43    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/14 14:56 |
| S49 | 9  | (first same second same layout) and compar\$4 and S43       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/14 15:05 |
| S50 | 5  | (circuit or IC) and S49                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/14 15:09 |
| S51 | 48 | ((layout or model or design) near4 compar\$4) and S43       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/14 15:09 |
| S52 | 24 | (circuit or IC) and S51                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/14 15:55 |
| S53 | 17 | (length or width) and S52                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/14 15:55 |
| S54 | 2  | ("20050143966").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/17 09:44 |
| S55 | 1  | (compar\$3 with (graph or topology)) and S54                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/17 09:47 |
| S56 | 1  | (compar\$3 same (graph or topology)) and S54                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/17 10:50 |
| S57 | 1  | ((generat\$3 or creat\$3) with (graph or topology)) and S54 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/17 11:47 |
| S58 | 1  | (node with (type or function or location or layer)) and S54 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/17 11:52 |
| S59 | 1  | (node with (root or parent or daughter or child)) and S54   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/17 12:11 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S60 | 1   | ((line or connection or net) with (length or width)) and S54              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 13:36 |
| S61 | 79  | (layout with compar\$4) same tolerance                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:29 |
| S62 | 24  | ((width or length) same tolerance) and S61                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:11 |
| S63 | 16  | ((width or length) with tolerance) and S61                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:23 |
| S64 | 10  | (length with tolerance) and S61   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:32 |
| S65 | 674 | (length with tolerance) and (convergenc\$1 or divergenc\$1 or confidence) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:33 |
| S66 | 7   | (layout same compar\$4) and S65   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:30 |
| S67 | 181 | ((model or design\$3) same compar\$4) and S65                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:32 |
| S68 | 181 | (length same tolerance) and S67   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:32 |
| S69 | 181 | (length with tolerance) and S67   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:33 |
| S70 | 85  | ((model or design\$3) with compar\$4) and S65                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:32 |
| S71 | 85  | (length with tolerance) and S70   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:33 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S72 | 15     | ((convergenc\$1 or divergenc\$1 or confidence) with level) and S71 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:34 |
| S73 | 689316 | (circuit or IC) and "35"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:37 |
| S74 | 11     | (circuit or IC) and S72  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/17 14:38 |